

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040962.D
 Acq On : 22 Dec 2023 17:33
 Operator : SY/MD
 Sample : QC120523 CAN 10428
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120523 CAN 10428

Quant Time: Dec 23 01:22:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

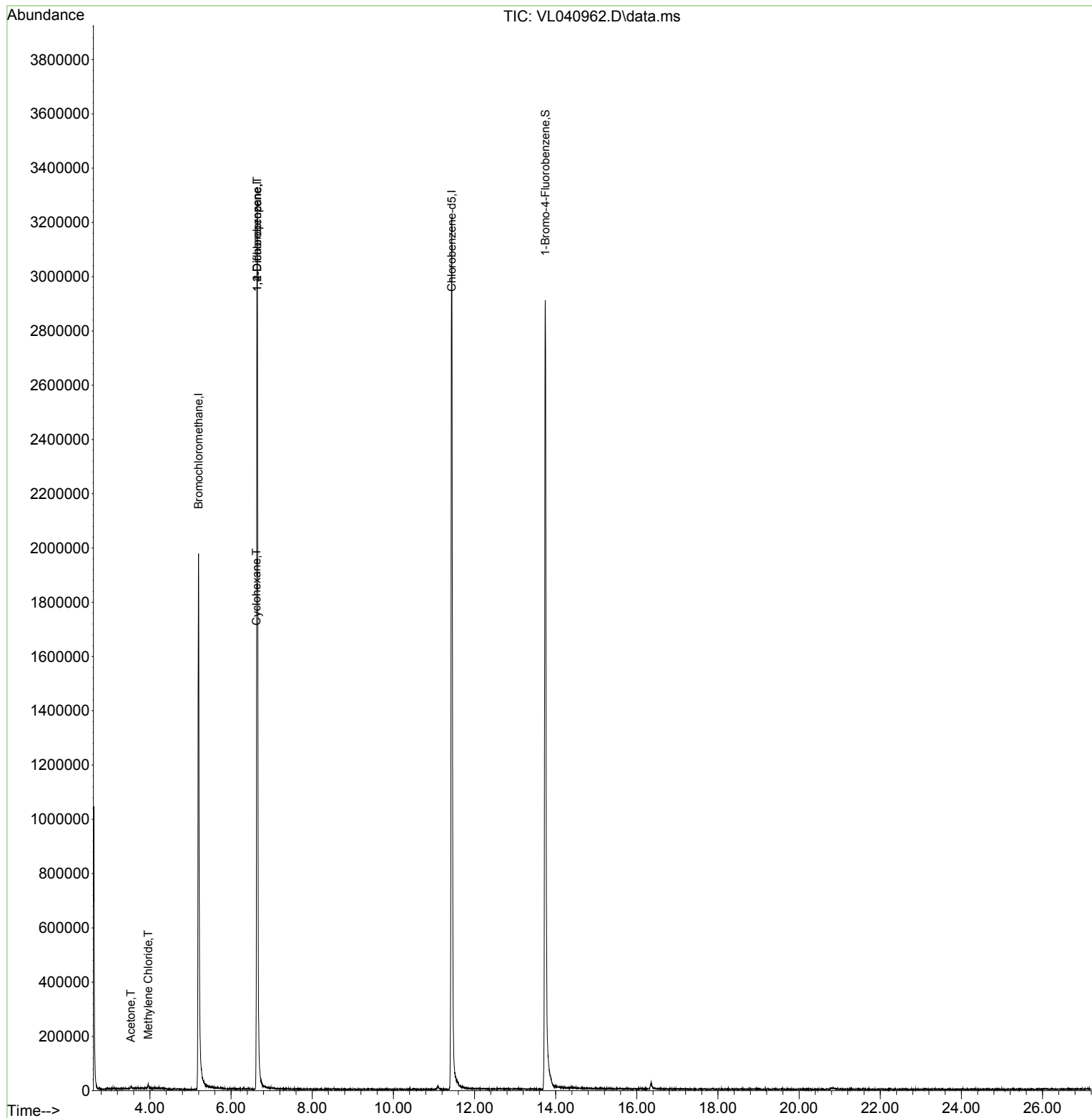
Internal Standards						
1) Bromochloromethane	5.198	49	1013105	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2393980	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	1977242	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1499031	10.293	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
					Qvalue	
15) Acetone	3.530	43	5404	0.044	ppbv #	49
20) Methylene Chloride	3.957	84	4028	0.093	ppbv #	84
30) Cyclohexane	6.629	84	2654	0.034	ppbv #	1
39) 1,2-Dichloropropane	6.642	63	630554	8.574	ppbv #	24

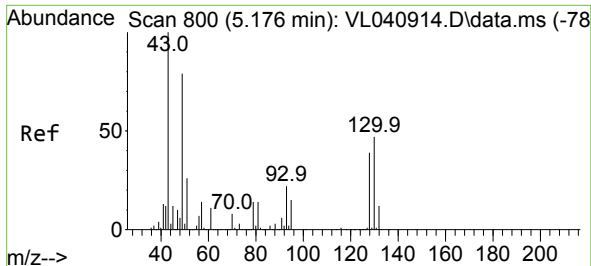
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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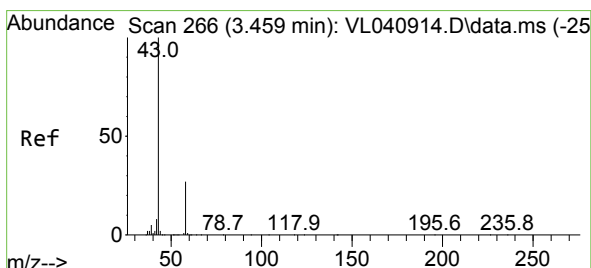
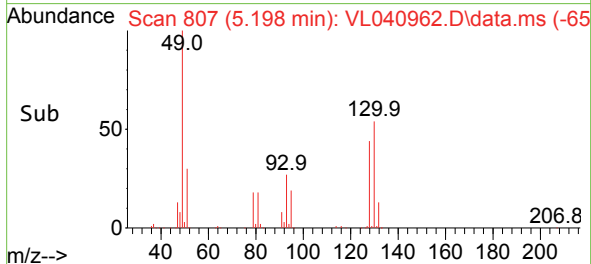
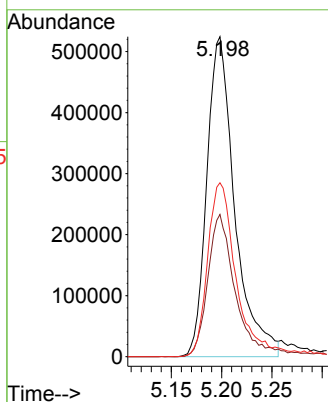
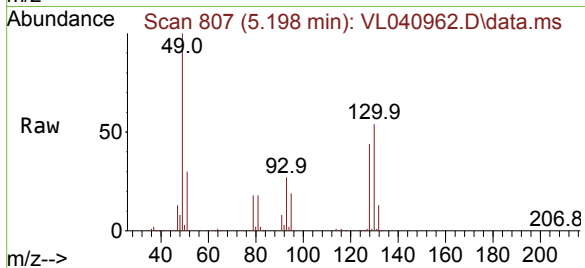




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

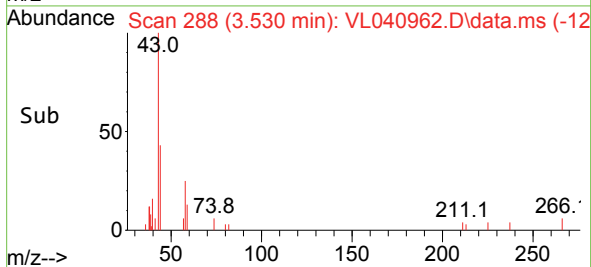
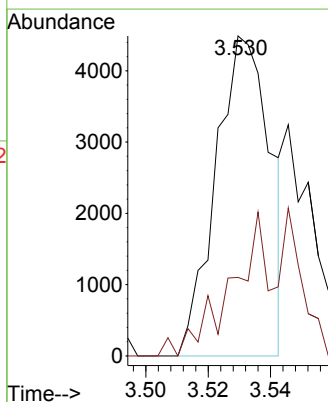
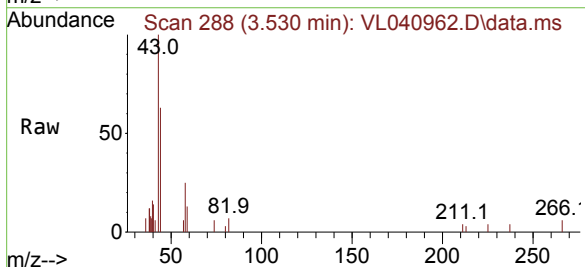
Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

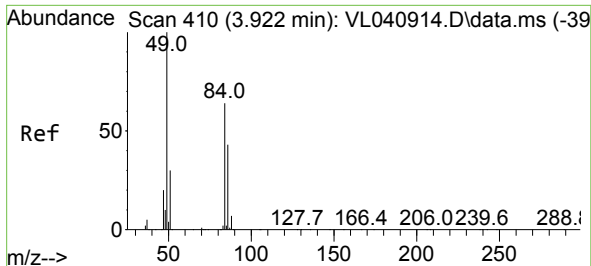
Tgt Ion: 49 Resp: 1013105
Ion Ratio Lower Upper
49 100
128 45.4 23.8 71.2
130 58.1 30.1 90.5



#15
Acetone
Concen: 0.044 ppbv
RT: 3.530 min Scan# 288
Delta R.T. 0.035 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

Tgt Ion: 43 Resp: 5404
Ion Ratio Lower Upper
43 100
58 0.0 20.6 30.8#

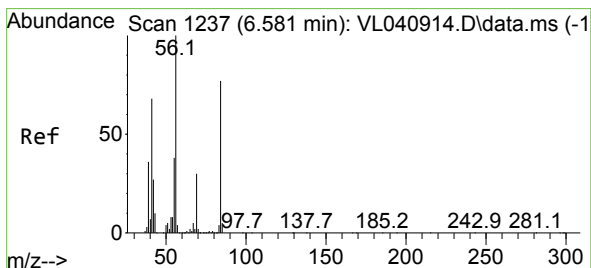
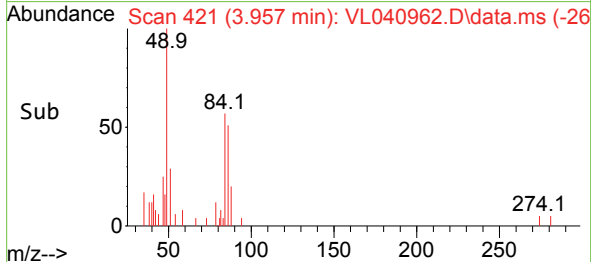
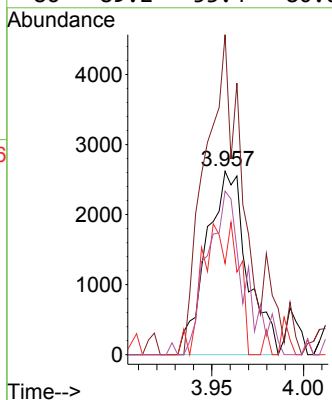
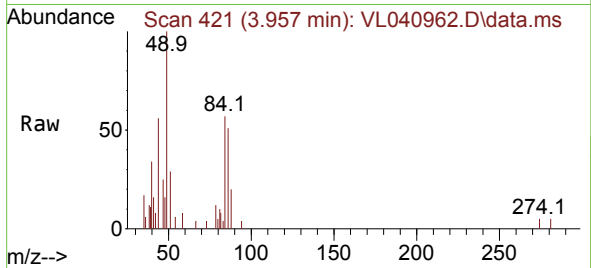




#20
Methylene Chloride
Concen: 0.093 ppbv
RT: 3.957 min Scan# 410
Delta R.T. 0.006 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

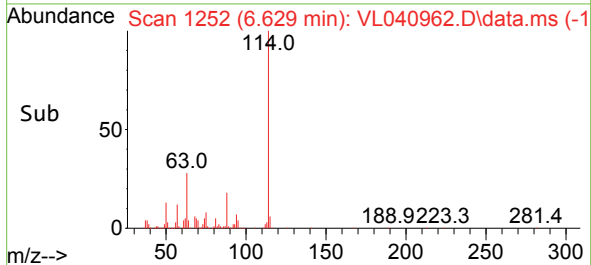
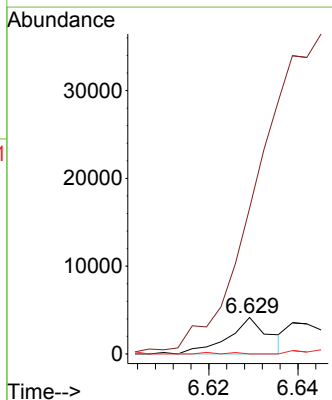
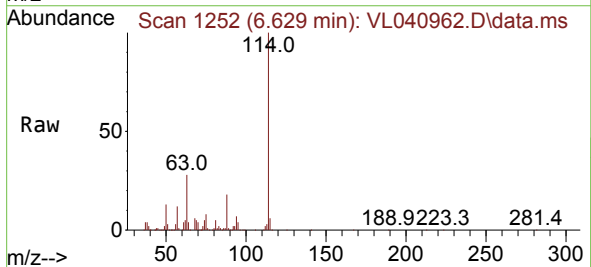
Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

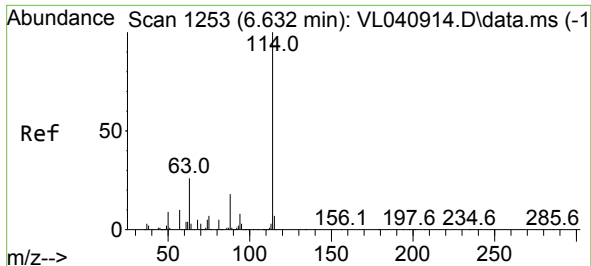
Tgt Ion:	84	Resp:	4028
Ion	Ratio	Lower	Upper
84	100		
49	174.5	124.6	187.0
51	49.8	37.2	55.8
86	89.2	53.4	80.0



#30
Cyclohexane
Concen: 0.034 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. 0.035 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

Tgt Ion:	84	Resp:	2654
Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.2
41	2.9	70.0	105.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. 0.000 min

Lab File: VL040962.D

Acq: 22 Dec 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

QC120523 CAN 10428

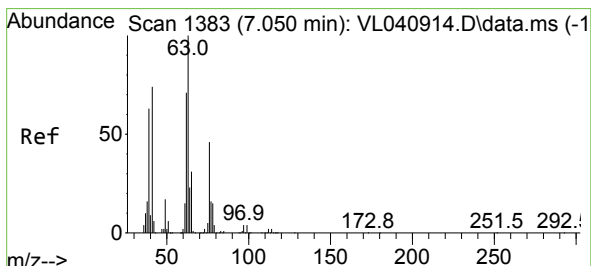
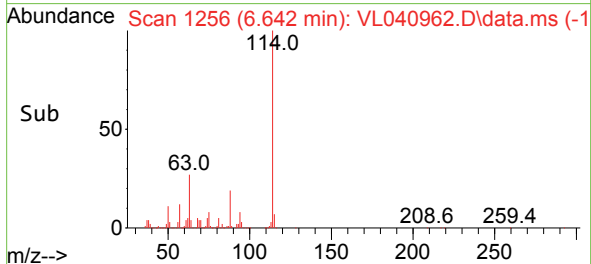
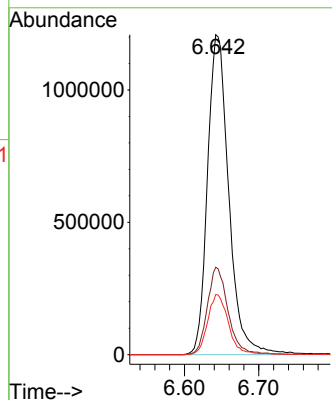
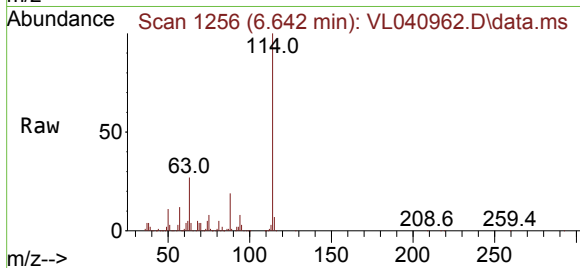
Tgt Ion:114 Resp: 2393980

Ion Ratio Lower Upper

114 100

63 27.0 21.0 31.6

88 18.8 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.574 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.418 min

Lab File: VL040962.D

Acq: 22 Dec 2023 17:33

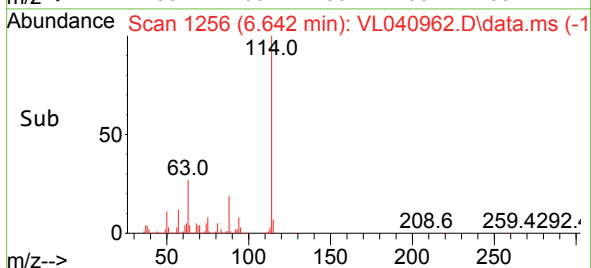
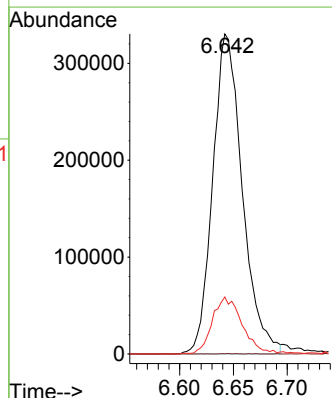
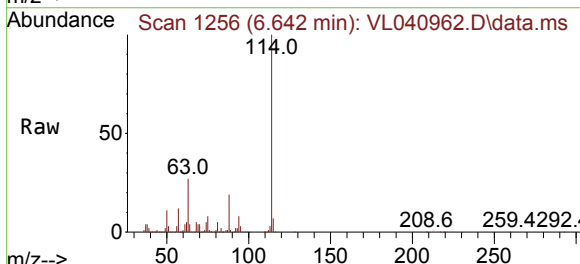
Tgt Ion: 63 Resp: 630554

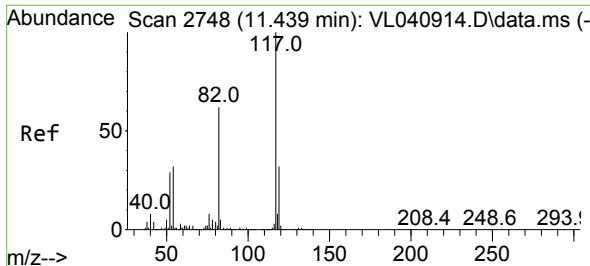
Ion Ratio Lower Upper

63 100

41 0.1 59.0 88.6#

62 17.8 56.6 85.0#

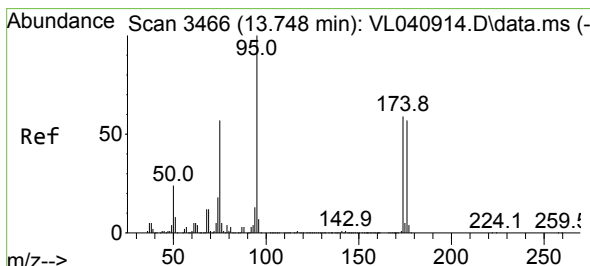
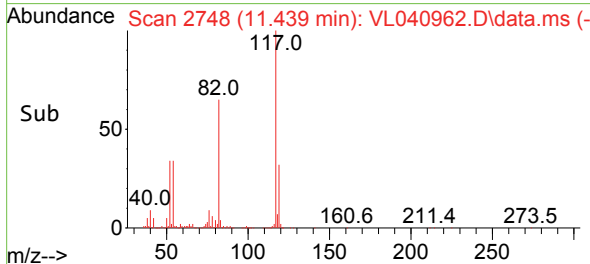
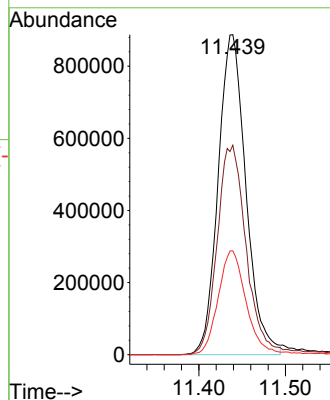
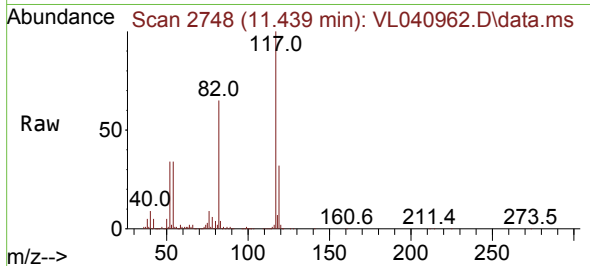




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

Tgt Ion:117 Resp: 1977242
Ion Ratio Lower Upper
117 100
82 70.1 49.6 74.4
119 33.2 23.4 35.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.293 ppbv
RT: 13.745 min Scan# 3465
Delta R.T. 0.006 min
Lab File: VL040962.D
Acq: 22 Dec 2023 17:33

Tgt Ion: 95 Resp: 1499031
Ion Ratio Lower Upper
95 100
174 59.3 48.0 72.0
175 4.4 3.7 5.5

